|          | Index of Claims |                 |       |  |          |          |          |                |                     |          |             |          | Application No. |              |          |           |              |          |                 |           |          | Applicant(s) |                 |               |                   |                 |          |        |              |
|----------|-----------------|-----------------|-------|--|----------|----------|----------|----------------|---------------------|----------|-------------|----------|-----------------|--------------|----------|-----------|--------------|----------|-----------------|-----------|----------|--------------|-----------------|---------------|-------------------|-----------------|----------|--------|--------------|
|          |                 | <br>            |       |  | <br>     |          |          |                |                     |          | Ì           |          |                 |              | -10      | 613       | 3.3          | 31       |                 |           |          |              |                 | LE            | ΕE                | TA              | ۱L.      |        |              |
|          |                 |                 |       |  |          |          |          |                |                     |          |             |          |                 | 1            | Ex       |           |              |          |                 |           |          |              |                 | Art           |                   |                 |          |        |              |
|          |                 |                 |       |  |          |          |          |                |                     |          |             |          |                 |              |          |           |              |          |                 |           |          |              |                 |               |                   |                 |          |        |              |
|          |                 |                 | . ==! |  |          |          |          |                |                     |          |             |          |                 |              | Bro      | ok        | _K           | ebe      | ede             |           |          |              |                 | 282           | 23                |                 |          |        |              |
|          |                 |                 | 1     |  |          |          | 7        |                |                     |          |             | -        |                 |              | •        | ٦         | _            | 1        |                 |           |          | 1            |                 |               |                   |                 |          | $\neg$ |              |
|          |                 | √               | R     | eje  | cte      | ed       |          |                | _                   | (        | Throu       | ıgh r    | lum             | era          | al)      |           | N            | N        | lon-            | -Elec     | ted      |              | A               |               | Арр               | pea             | ı        |        |              |
|          |                 | <u> </u>        | _     |  |          |          | 1        |                | Н                   |          |             | ance     | iied            |              |          | 4         | N            | _        |                 |           |          | -            |                 |               |                   |                 |          | _      |              |
|          |                 | =               | Δ     | Vilo   | we       | d        |          |                | ÷                   |          | R           | estri    | ctec            | ł            |          |           | 1            | l i      | ntei            | fere      | nce      |              | 0               | C             | )bje              | cte             | d        |        |              |
|          |                 |                 | Ľ     |  |          |          | ]        |                |                     |          |             |          |                 |              |          | ╛         | Ľ            |          |                 |           |          | ]            |                 |               |                   |                 |          |        |              |
| Cla      | oim.            | Т               | Date  |  |          |          |          |                | _                   |          | aim         | 1        |                 |              | Dat      | · _       |              |          | _               |           | aim      | -            |                 |               | Data              |                 |          |        |              |
| Claim _  |                 | $\vdash$        |       |  |          | <u> </u> | <u> </u> | П              | -                   | Claim    |             | П        |                 |              | T        | Г         |              |          | $\vdash$        | T         | $\vdash$ | Date         |                 |               |                   |                 |          |        |              |
| Final    | Original        | 2/21/05         |       | ļ  |          |          |          |                |                     |          | Final       | Original | $  \  $         |              |          |           |              |          |                 |           | Final    | Original     |                 |               |                   |                 | ł        |        |              |
| 這        | l g             | 212.            |       | l  |          | ĺ        |          |                |                     |          | 這           | l g      |                 |              |          |           | ı            |          |                 |           | ৳        | Ṣ            |                 | i             |                   |                 |          |        |              |
|          | ļ               | <u> </u>        |       | <del> </del>                                     | L        | ┞        | <u> </u> | $\vdash$       | $\vdash$            | 4        |             | 51       | -               | $\dashv$     | +        | _         | ╀            | _        | $\vdash \vdash$ | _         | <u> </u> | l .          | Н               |               | +                 | $\sqcup$        | -        | - -    | ╄            |
|          | 2               | √<br>n          | _     | -  | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$       | $\vdash$            | $\dashv$ | -           | 52       | $\vdash$        | $\dashv$     | +        | +         | ┿            | +-       | $\vdash \vdash$ | $\dashv$  | -        | 101<br>102   | +               | +             | +                 | ⊢┤              | $\dashv$ | +      | ╁            |
|          | 3               | 7               |       |  |          | T        | T        |                |                     | _        |             | 53       | H               | $\dashv$     | 十        | $\dagger$ | T            | †        | H               | $\dashv$  |          | 103          | $\vdash$        | $\dashv$      | $\top$            | $\vdash \vdash$ | $\dashv$ | +      | +            |
|          | 4               | 0               |       |  |          |          |          |                | П                   |          |             | 54       |                 |              | $\perp$  |           |              | L        |                 |           |          | 104          |                 |               |                   | $\square$       |          |        |              |
|          | 5               | 1               |       | <u> </u>   | <u> </u> | $\vdash$ | $\vdash$ | _              | $\sqcup$            | $\dashv$ | <u> </u>    | 55       | $\vdash \vdash$ | $\downarrow$ | _        | 1         | $\perp$      | $\vdash$ | Щ               | _         |          | 105          | $\sqcup$        | $-\downarrow$ | <u> </u>          | $\Box$          |          | $\bot$ | $\bot$       |
|          | 6<br>7          | 1               |       | $\vdash$   |          | $\vdash$ | ⊢        | ⊢              | $\vdash \vdash$     | -        | -           | 56<br>57 | Н               | -            | $\dashv$ | ╁         | +-           | -        | ╁╌╁             | -         |          | 106<br>107   | Н               |               | +                 | Н               | -        | -      | <del> </del> |
|          | 8               | ŏ               |       | 1  |          |          | $\vdash$ | <del>  -</del> | $\vdash$            | $\dashv$ |             | 58       | $\vdash$        | -            | +        | +         | +            | +        | $\vdash$        |           | -        | 107          | +               | $\dashv$      | +                 | $\vdash$        | $\dashv$ | +-     | +            |
|          | 9               | √               |       |  |          |          |          |                |                     |          |             | 59       |                 |              | 工        | 上         |              |          |                 |           |          | 109          |                 |               |                   |                 | _†       |        | $\perp$      |
|          | 10              | 1               |       | L  | L        | $\vdash$ | L        |                | $\Box$              | $\Box$   |             | 60       | П               | J            | $\Box$   | L         | $oxed{\Box}$ |          | П               | $\Box$    |          | 110          |                 |               | $\Box$            | П               | $\Box$   | $\bot$ |              |
|          | 11<br>12        | Н               |       | -  | _        | -        | -        | -              | $\vdash$            | $\dashv$ | $\vdash$    | 61<br>62 | $\vdash \vdash$ | $\dashv$     | +        | +         | -            | $\vdash$ | $\vdash$        | $\dashv$  | <u> </u> | 111<br>112   | $\vdash$        | - -           | -                 | $\vdash$        | $\dashv$ |        | $\vdash$     |
|          | 13              | +               | _     | $\vdash$   |          | -        | $\vdash$ | H              | $\vdash$            | $\dashv$ | -           | 63       | H               | $\dashv$     | +        | ╁         | ╁            | ├-       | $\vdash$        | $\dashv$  | -        | 113          | Н               | +             | -                 | $\vdash$        | $\dashv$ | +      | +            |
|          | 14              | Н               |       | <del>                                     </del> |          | T        | Г        |                | $\vdash$            | ヿ        |             | 64       | $\Box$          | 寸            | +        | ╅         | t            | $\vdash$ | П               | _         |          | 114          |                 | +-            | +                 | $\vdash$        | $\dashv$ |        | +            |
|          | 15              |                 |       |  |          |          |          |                |                     |          |             | 65       |                 |              |          |           |              |          |                 |           |          | 115          |                 |               |                   |                 |          |        |              |
|          | 16<br>17        | $-\parallel$    |       | _  |          | _        | <u> </u> | L              | $\vdash \downarrow$ | 4        | <u> </u>    | 66       |                 | _            | 4        | $\bot$    |              | ╙        | $\sqcup$        | 4         | <u></u>  | 116          | Ш               |               |                   |                 |          |        |              |
|          | 18              | Н               |       | ┢  |          | $\vdash$ | -        | $\vdash$       | $\vdash$            | $\dashv$ | <u> </u>    | 67<br>68 | $\vdash$        | -+           | $\dashv$ |           | ╁            | ┢        | -               |           |          | 117<br>118   | $\vdash$        | -             | $\vdash$          | Н               | $\dashv$ | -      | ╀            |
|          | 19              | Н               |       | $\vdash$   |          | $\vdash$ |          | -              | H                   | _        | $\vdash$    | 69       | $\vdash$        | _            | +        | +         | +            | ┢        | ╁               |           |          | 119          | H               | _             | +                 | $\vdash$        | -+       |        | ╁            |
|          | 20              | Ш               |       |  |          |          |          |                |                     |          |             | 70       |                 |              |          |           |              |          |                 |           |          | 120          |                 |               |                   |                 | 寸        |        |              |
|          | 21<br>22        | Ш               |       |  | _        | _        |          | _              | Н                   | _        |             | 71       | $\sqcup$        | -            | _        | -         | _            | _        |                 |           |          | 121          |                 |               |                   |                 |          |        |              |
|          | 23              | H               | _     | ⊢  |          | -        | H        | <u> </u>       | $\vdash$            | -        |             | 72<br>73 | $\vdash \vdash$ | $\dashv$     | +        | +         | ╀╌           | H        | $\vdash$        | -         | <u> </u> | 122<br>123   | $\vdash$        |               | $\vdash$          | H               | $\dashv$ |        | +            |
|          | 24              | Н               |       | $\vdash$   |          | ┢        | ┢        | H              | H                   | $\dashv$ | <b> </b>    | 74       | H               | $\dashv$     | $\dashv$ | +         | $\vdash$     |          | H               | $\dashv$  |          | 123          |                 | +             | $\vdash$          | Н               | $\dashv$ | +      | ╁┈           |
|          | 25              | Ш               |       |  |          |          |          |                |                     |          |             | 75       |                 | T            |          |           | 1            |          |                 | $\neg$    | $\vdash$ | 125          | $\Box$          |               |                   | Н               | T        | - -    | $\top$       |
|          | 26              | Ш               |       | <u> </u>   |          |          |          | ldash          | $\sqcup$            | _        |             | 76       | Ш               | _            | $\perp$  |           |              | <u></u>  |                 | $\Box$    |          | 126          | П               |               |                   |                 | $\Box$   |        |              |
| _        | 27<br>28        | 1               | -     | $\vdash$   | Н        | $\vdash$ | $\vdash$ | -              | ⊢┼                  | $\dashv$ | $\vdash$    | 77<br>78 |                 | $\dashv$     | +        | +         | ╄-           | $\vdash$ | $\vdash \vdash$ |           |          | 127<br>128   | $\vdash \vdash$ | _             | $\vdash$          | H               | $\dashv$ |        | $\vdash$     |
|          | 29              | ŏ               | _     | $\vdash$   | H        | $\vdash$ | H        | $\vdash$       | $\vdash$            | $\dashv$ | <del></del> | 79       | $\vdash \vdash$ | $\dashv$     | +        | +         | ╁            | $\vdash$ | ╁╌┤             | $\dashv$  | -        | 128          | $\vdash$        | $\dashv$      | $\vdash$          | $\vdash \vdash$ | +        | +      | +-           |
|          | 30              | 0               |       |  |          |          |          |                |                     |          |             | 80       |                 |              | 土        |           | L            |          |                 | ╛         |          | 130          |                 |               | T                 | $\Box$          | 寸        | _      | +            |
|          | 31              | 0               |       | $oxed{\Box}$                                     |          |          |          |                | П                   |          |             | 81       |                 | I            |          | $\perp$   |              |          |                 | $\Box$    |          | 131          |                 |               |                   |                 |          |        |              |
|          | 32<br>33        | $\vdash \vdash$ |       | -  | $\vdash$ |          | H        | <u> </u>       | $\vdash$            | $\dashv$ |             | 82       | $\vdash \vdash$ | -            | +        | ┼         | -            | _        | $\vdash \vdash$ | -         |          | 132          | $\vdash \vdash$ |               | -                 | $\sqcup$        | $\dashv$ | 1      | $\perp$      |
|          | 34              | Н               |       | -  | -        |          | $\vdash$ | $\vdash$       | $\vdash$            | $\dashv$ |             | 83<br>84 | $\vdash \vdash$ | $\dashv$     | +        | +         | -            | _        | $\vdash \vdash$ | $\dashv$  |          | 133<br>134   | ┼               | +             | $\vdash$          | $\vdash \vdash$ | +        | +-     | $\vdash$     |
|          | 35              |                 | _     |  | П        |          | Н        | $\vdash$       | $\vdash$            | $\dashv$ |             | 85       | $\vdash$        | $\forall$    | $\dashv$ | +         | $\vdash$     | $\vdash$ | $\vdash$        | $\dashv$  |          | 135          | $\vdash$        | $\dashv$      | $\vdash$          | $\vdash$        | +        | +      | +            |
|          | 36              | 口               |       |  |          |          |          |                |                     |          |             | 86       |                 |              |          |           |              |          |                 |           |          | 136          |                 |               |                   |                 | 士        | ╧      | İ            |
| _        | 37              | -               |       | Ц  |          | L.       | $\sqcup$ | _              | $\coprod$           | 4        |             | 87       | П               | 1            |          | 1         | L            |          | П               | $\exists$ |          | 137          | П               | Ţ             |                   |                 | $\Box$   |        |              |
| $\dashv$ | 38<br>39        | $\vdash \vdash$ | _     | Н  | Н        | $\vdash$ | $\vdash$ | -              | $\vdash$            | $\dashv$ | $\vdash$    | 88<br>89 | $\vdash \vdash$ | +            | +        | +         | -            | _        | $\vdash \vdash$ | _         |          | 138          | $\vdash \vdash$ | _             | $\vdash$          | $\sqcup$        | +        | 4      | $\vdash$     |
| -        | 40              | $\vdash$        |       | Н  | Н        | Н        | H        | $\vdash$       | $\vdash$            | $\dashv$ |             | 90       | $\vdash$        | +            | +        | +-        | $\vdash$     | -        | $\vdash$        | $\dashv$  | <b>-</b> | 139<br>140   | $\vdash \vdash$ |               | $\vdash$          | $\vdash \vdash$ | +        | +      | +            |
|          | 41              |                 |       |  |          |          |          |                |                     |          |             | 91       |                 | 丁            |          |           |              |          |                 |           |          | 141          |                 |               | $\dagger \exists$ | $\vdash \vdash$ | $\dashv$ | +      | T            |
|          | 42              | П               |       | Щ  |          | Ц        |          |                |                     | $\Box$   |             | 92       | $\Box$          | $\Box$       |          |           |              |          |                 |           |          | 142          |                 |               |                   |                 |          |        |              |
|          | 43<br>44        |                 |       | <u> </u>   | -        | $\vdash$ |          |                | $\vdash \downarrow$ | $\dashv$ | _           | 93<br>94 | $\sqcup$        | $\dashv$     | +        | +-        | _            |          |                 | _         |          | 143          | igspace         | -             |                   |                 | $\perp$  |        | L            |
| -        | 45              | $\vdash$        |       | Н  | $\dashv$ | Н        | Н        | -              | $\vdash$            | $\dashv$ | -           | 95       | $\vdash \vdash$ | +            | +        | +         | $\vdash$     | $\vdash$ | $\vdash \vdash$ | $\dashv$  |          | 144<br>145   | $\vdash$        | +             | $\vdash$          | $\vdash \vdash$ | +        | +-     | ╀            |
|          | 46              |                 |       |  |          |          |          | Н              |                     |          |             | 96       | $\Box$          | _            | +        | $\dagger$ | $\vdash$     |          | $\vdash$        | $\dashv$  |          | 146          | $\vdash$        | $\dashv$      | H                 | $\vdash \vdash$ | +        | +-     | $\vdash$     |
|          | 47              | 口               |       |  |          |          |          |                |                     |          |             | 97       |                 | $\supset$    |          |           |              |          |                 |           |          | 147          |                 |               |                   |                 |          |        | L            |
|          | 48<br>49        | $\sqcup$        |       |  | _        | Ш        |          |                | $\vdash \downarrow$ | _        | <u> </u>    | 98       | $\Box$          | _[           |          | $\perp$   | L            |          | П               | _         |          | 148          | П               |               |                   | $\Box$          | $\Box$   | I      |              |
|          | 49              | , 1             |       |  | - 1      | . !      |          |                | 1 1                 | - 1      | 1           | 1 99     | 1 1             | - 1          | - 1      | 1         | 1            |          | 1 1             | - 1       | 1        | 140          | 1 1             | - 1           | 1 1               | 1               | - 1      |        | 1            |

Application No.

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Applicant(s)